GSM Smoke Alarm

User Manual

I. Features

1. SOS Alarm

This device can send SMS for SOS alarm.

Pressing the SOS button, the alarm LED turns on, and the buzzer starts ringing (the default ring time is 3 minutes). Then the device send alarm SMS to preset main number. Press this button again will stop the buzzer, and the device return to the previous status before alarm.

Alarm SMS numbers (max. 5 groups), main number (1 group) and the SMS content could all be set by users themselves. (Please check "**System Settings**" below for detailed setting method.) Default SMS is "Fire Emergency".

2. Smoke Alarm

The smoke detecting of this device is base on photoelectric technology. When it detects smoke, it will make call and send SMS to the preset phone numbers.

If there's trigger again within 3 minutes after the first alarm, this device will not send alarm signal. And within the 3 minutes, if the user press SOS button, or arm the device by SMS, the buzzer will stop ringing, and the device can return detecting 1min 40sec later.

After sending the alarm SMS, the device will turn to arm status automatically.

3. Reset

Keep pressing the SOS button for 5 seconds, (loose it until the buzzer makes a long beep), the device will come to factory reset status. All settings will return to default.

II. Operation Guidance

1. Insert a SIM card into the card slot. Make sure that the SIM card has enough balance to make call and send SMS.
2. Connect the power adaptor. The LED indicator will be on for about 10 seconds and the device starts self-check. If it detects the SIM card, the buzzer will make two long beeps; and if not, it will make four short beeps. If the indicator flashes every two seconds, it means the main number hasn't been set; if it keeps flashing quickly, it means main number been set but SIM card not detected.
3. To make sure that all the settings are in default before using, you could make reset.
4. Set main number. Only this number could do settings to the smoke alarm device.
5. Now you could do other settings and put this device into use.
6. During the whole working status, this device would check the GSM network. Then the GSM signal is less than 20% (not strong enough to make call and send SMS), the alarm LED will keep flashing quickly as mentioned above. At this time, you should change the place of the device until the signal LED comes into normal.
7. This device has power off/ recovery alert function. When the external power is

disconnected, it will be powered by the backup battery, and send a SMS "Power charger off". And the SMS for external power recovery is "Power charger on".

III. System Settings

Main number setting: use your mobile phone to send SMS to this smoke detector "password##". (Default password: 123456)This mobile phone number is set as main number. Then you could use main number to do the following settings. If the setting command is correct, you will receive a SMS reply.

Function	Command	SMS Reply
Arm	1#1#	System armed
Disarm	1#0#	System disarmed
Main number	password ##	System main number: xxxxxx
Change password	2#new password#	Password set to: xxxxxx
System reset	95175308246##	System reset
Change SMS content	90#new SMS# (New SMS: max. 32 English letters including punctuations)	User defined sms content: xxxxxx
Alarm phone number (Number: max. 20-digit)	61#number#	SMS phone number (1):
	62#number#	SMS phone number (2):
	63#number#	SMS phone number (3):
	64#number#	SMS phone number (4):
	65#number#	SMS phone number (5):
Delete phone number	61##	SMS phone number (1-5) deleted
	62##	
	63##	
	64##	
	65##	
Set ID * (max. 32 English letters)	40#ID number#	User defined ID: xxxxxx
Siren ring time	70#xx# (XX: 01-15)	Siren ringing time set to: xx minutes
System time	71#AA#BB#CC#DD#EE#FF# AA: last two digit of current year BB: month CC: date DD: hour (24hour format) EE: minute FF: second	System time set to: xxxxxx

Siren on/off for SOS alarm	72#1# (ON: default)	Enable the external siren sound when SOS alarm
	72#0# (OFF)	Disable the external siren sound when SOS alarm
Siren on/off	73#1# (ON: default)	Enable the external siren sound when alarm
	73#0# (OFF)	Disable the external siren sound when alarm
Timely arm (HH: hour; MM: minute)	74#HH#MM#1# (ON)	Enable Timely arm: HHMM
	74#HH#MM#0# (OFF: default)	Disable Timely arm
Timely disarm (HH: hour; MM: minute)	75#HH#MM#1# (ON)	Enable Timely disarm: HHMM
	75#HH#MM#0# (OFF: default)	Disable Timely disarm
SMS reply for setting	76#1#	SMS rep: ON
	76#0#	SMS rep: OFF
Language	8#1# (Chinese)	**系统语言**: **中文**
	8#2# (English)	System Language: English
Check status	30##	SMS reply with whole status of the device. Please check "notes" below.
Check IMEI number	31##	IMEI: XXXXXX
Check GSM signal	32##	GSM Signal: XX
Check alarm record	33##	Alarm Record: 1. ... 9.
Check arm/ disarm record	34##	Arm/ Disarm Record: 1. ... 9.

Notes:

1) For setting "30##", user will get a reply with the following content:
   System state: Disarm
   Password: 123456
   ID: kitchen
   Phone number (1-5): XXXX
   Timely arm: ON/ OFF
   Timely disarm: ON/ OFF

Siren: ON/ OFF
Emergency siren: ON/ OFF
Siren ring time: 3 minutes
If no SMS number has been set yet, system will reply: not set alarm message number

2) ID number: if you installed many of this smoke alarm, and want to distinguish when you receive message, you could set the ID, for example, kitchen, aisle, baby bedroom, etc.
3) In the self-check status (before entering normal working), the device could not make response to these settings.
4) Only the main number could do the settings. The 5 groups SMS numbers could receive alarm SMS but could not do settings.
5) After receiving the correct setting SMS, the device would make a short beep.
6) SMS receiving and sending may have delay due to weak GSM signal and other reasons.
7) SOS alarm works even in disarm status. But in disarm status, the device could not make smoke detection.
8) System reset could be realized in any status except alarming.
9) All the above settings (except main number, ID, and SMS content) could also be set by phone call.
10) SOS alarm would not go into alarm record.

Appendix

List 1 LED indicator status

LED Status	**System Status**
On	Alarming
On for 10 seconds	Self-check after power on
Flash every 2 seconds	Waiting to set main number
Flash every 5 seconds	Arm
25Hz/s	No SIM card or GSM signal is less than 20%
Off	Disarm

List 2 Buzzer status

Buzzer Status	**System Status**
ringing	Alarming
Ringing for 5 seconds	System reset
Two short beeps	Main number set successfully
Ringing for 2 seconds	SIM card and GSM network OK
One short beep	SMS setting successful
Four short beeps	No SIM card

List 3 Technical parameters

Power supply	12V/1A
Working temperature	-10~50**℃**
GSM band	850/900/1800/1900MHz